

VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the claims:

Claim 1 has been amended as follows:

1. (Amended) An improved cooking appliance, comprising:

~~a cooking appliance including~~ a cooking well for retaining a cooking medium and food to be cooked therein, at least one heating element for selectively heating the cooking medium, and a temperature sensing device for sensing the temperature of a portion of the cooking medium at a certain position in said cooking well;

a computerized controller for directing the operation of said cooking appliance and for receiving, storing and retrieving data, said controller including means for compensating for the introduction of a new cooking medium by adjusting the sensed temperature of said new cooking medium by a predetermined and programmable amount over a select number of cooking cycles.

Claim 2 has been amended as follows:

2. (Amended) An improved cooking appliance, comprising:

~~a cooking appliance including~~ a cooking well for retaining a cooking medium and food to be cooked therein, at least one heating element for selectively heating the cooking medium, and a temperature sensing device for sensing the temperature of a portion of the cooking medium at a certain position in said cooking well;

a computerized controller for directing the operation of said cooking appliance and for receiving, storing, and retrieving data, said controller including means for compensating for oil stratification.

Claim 3 has been amended as follows:

3. (Amended) An improved cooking appliance, comprising:

~~a cooking appliance including~~ a cooking well for retaining a cooking medium and food to be cooked therein, at least one heating element for selectively heating the cooking medium, and a temperature sensing device for sensing the temperature of a portion of the cooking medium at a certain position in said cooking well; and

a computerized controller for directing the operation of said cooking appliance and for receiving, storing, and retrieving data, said controller including means for compensating for a variation in operation of said cooking appliance, said means for compensating comprising detecting a drop in temperature of the cooking medium and initiating a cook cycle based upon said detection.

Claim 4 has been amended as follows:

4. (Amended) An improved cooking appliance, comprising:

~~a cooking appliance including~~ a cooking well for retaining a cooking medium and food to be cooked therein, at least one heating element for selectively heating the cooking medium, and a temperature sensing device for sensing the temperature of a portion of the cooking medium at a certain position in said cooking well; and

a computerized controller for directing the operation of said cooking appliance and for receiving, storing, and retrieving data, said controller including means for adjusting the duration of a cook cycle according to a non-linear compensation according to the formula

A raised to the power $((B \times \Delta_{\text{TEMPERATURE}})/C)$

where $A = 1.41421$, ~~for example~~

where $B = 2$, ~~for example~~

where $C =$ exponential growth and,

$\Delta_{\text{TEMPERATURE}} =$ Product Reference Temperature - Sensed Cooking

Medium Temperature.

Claim 5 has been amended as follows:

5. (Amended) A method for cooking a food item comprising the steps of:

loading a food item into a cooking medium in the cooking well of a cooking appliance;

heating the cooking medium to a reference temperature;

adjusting the cook time according to a non-linear, exponential compensation, said compensation comprising the formula

A raised to the power $((B \times \Delta_{\text{TEMPERATURE}})/C)$

where $A = 1.41421$, ~~for example~~

where $B = 2$, ~~for example~~

where $C =$ exponential growth and,

$\Delta_{\text{TEMPERATURE}} = \text{Product Reference Temperature} - \text{Sensed Cooking}$
Medium Temperature.

Claim 6 has been amended as follows:

6. (Amended) A food item cooked according to a process comprising the steps of:

loading a food item into a cooking medium in the cooking well of a cooking appliance;

heating the cooking medium to a reference temperature;

adjusting the cook time according to a non-linear, exponential compensation, said compensation comprising the formula

A raised to the power $((B \times \Delta_{\text{TEMPERATURE}})/C)$

where $A = 1.41421$, ~~for example~~

where $B = 2$, ~~for example~~

where $C = \text{exponential growth and,}$

$\Delta_{\text{TEMPERATURE}} = \text{Product Reference Temperature} - \text{Sensed Cooking}$
Medium Temperature.